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TELEPHONE MAIN 661.

Official paper of Clatsop county and the City of Astoria.

WEATHER.

Western Oregon—Rain or snow south and possibly snow flurries north portion. Not so cold.

Western Washington—Fair and slightly warmer.

ASTORIA'S EXPERIENCE.

It is not given to Astoria to really suffer from such cold snaps as these. They are infrequent, at worst, and do not impose any extraordinary hardships on anyone here. Inconvenience falls far short of real want and deprivation, and we venture the boast that no city of its size in the west of America has less to contend with in the way of actual, broadcast poverty, than the City-by-the-Sea. The cold weather coming simultaneously with the fuel shortage has emphasized the situation in pronounced fashion, but aside from an enforced prudence in the handling of the available supply of inflammables, and a bit of worry as to the outcome in case the freeze shall be protracted, there is nothing to frighten the people of this place. We are fortunate and should deeply appreciate our freedom from the extremities to which other communities are subjected further east and higher up. It pays some times to be near the ocean levels.

WORK AT SALEM.

It is, of course, too early to say anything of the work at the state capital, other than to rejoice that no time has been lost in the introduction of bills for the relief from railroad domination. This is to be a cardinal demand there, and the whole people are directly behind the legislators in their insuperable task. We are not asking that injustice shall be done the great corporations, nor that they shall be wronged nor denied nor undone in any particular, but the day of accounting is at hand, and the people are looking for relief from the weight of their own reckless consideration of these agencies in the past. They have given much, more has been appropriated, and the concessions have been infinitely abused and boldly misdirected. The pendulum must swing for awhile and the largesse of the public kindness must reach the authors of it for once in the history of the state. The corporations will be avid and exacting and relentless in their efforts to emasculate all that is done in the way of re-adjustment; all the wisdom of the house and senate must be alive to the thwarting of these attempts to defeat everything in this line. It is going to take bold and honest work, plain, everyday business methods, and an unceasing vigilance to compass the desired ends, but we believe the spirit of reform is in the air, and that every legislator knows his duty and the honor, and the peril, of its performance or its non-performance.

ANOTHER STRICKEN CITY.

Kingston, Jamaica, has gone down before the rigors of a tremendous earthquake, and while the loss of life and property is not to be measured with the consequences borne by San Francisco, they are ample to invoke the broadest sympathy of Americans, and especially of Pacific Coasters. That it will be given, practically, and spiritually, goes without saying. It would seem that we are in the midst

of a cycle of natural disorder and likely to be up against even more than is now of record; and these visitations are to be welcomed and braved and borne with courage. In the single hope that they may be efficacious in changing the current of human thought and endeavor from the vicious and valueless things toward which it is, at present, in such head-long pursuit, and sober down the trend of things to solid and richer ends. We are going the pace with a vengeance, we Americans, and it would seem fortuitous that we should suffer and lose and yield to forces we cannot control, for the sake of our own enlightenment and deliverance from the wretchedness we are invoking so lustily and recklessly.

THE ELEVENTH STREET TEST.

The proposed work of making a fill on Eleventh street, for one block with earth, and the macadamizing of it, as a test, for the settlement of the future treatment of the thoroughfares of Astoria, will be watched with very great interest, as it is believed to be a valuable and practical solution of the question of method and expense, of such work. It is hoped that it will prove efficacious in all ways and that the tendency of its adoption will go far toward hastening the revolution in street conditions in the commercial district of Astoria.

KID CRITICISM.

Here is an Astoria small boy's essay on newspapers. He ought to make a good editor when he grows up: "Newspapers are sheets of paper on which stuff is printed. The men look over it, and see their names in it. I don't know how newspapers came into the world. I don't think God does. The bible says nothing about editors and I never heard of one being in heaven. The first editor I heard of was a fellow who wrote up the flood. He has been here ever since. Some editors belong to the church and some try to raise whiskers. All of them raise hell in their neighborhood. Sometimes the paper dies and then people feel glad, but some one starts it up again. Editors never went to school because editors don't get licked. Our paper is a mighty poor one, but we take it so ma can use it on her pantry shelves. Our editor don't amount to much, but pa says he had a poor chance when a boy. He goes without underclothes in winter, wears no socks and has a wife to support him. Pa has not paid his subscription in five years and don't intend to."

EDITORIAL SALAD.

Professor Burbank, who has succeeded in growing blue roses, spineless cactus, seedless apples and various other freaks of plant life, says he can't obtain one seed of horseradish, and he offers \$1,000 for an ounce of seed of the horseradish.

A partial record shows that last year on the Atlantic coast alone over 1,000 persons were drowned while bathing, purely because they were unable to swim, while no doubt hundreds more bathers lost their lives of whom no record was obtained.

Chain letters are illegal. If our readers receive begging letters on behalf of a "little cripple boy," with a request that they copy them and mail to several friends, we advise them to report to the post office inspectors through their local postmaster. Such letters are fraudulent.

Large business interests everywhere are crying out for more twenty dollar men. The world has a surplus of two-dollar men. The young man of this day and age who is frittering away his time, wasting his opportunities and growling about his luck will never amount to anything in the business world. There are more first-class opportunities for the educated, polite, industrious sober young men and women of today than their forefathers ever had. This old world of ours is moving along at a wonderfully rapid rate, and the young man who intends to keep up with the procession has no time to waste in preparing himself for the positions which are in front of him. These places of honor can not be secured by the young man who loafs around the bar room or the gambling den. They cannot be had by the young man who imagines the world owes him a living. They can only be had by those who have prepared themselves for them.

If you have no friends or money, In the river you can fall; Marriages are quite common and, More people there will be, Provided you take Rocky Mountain Tea. For sale by Frank Hart.

OREGON IRRIGATION

Lack of Accurate Measurements
Handicap to Engineers.

WATER SUPPLY IS NOT GAGED

Extracts from Report of Consulting
Engineer Upon Projects in Central Part of State—Rainfall
Should be Measured.

The following are extracts from the report of Mr. C. E. Grunsky, consulting Engineer, United States Reclamation Service, upon the feasibility of irrigation projects in that State.

Mr. Grunsky states: The reconnaissance which I have just made in south-central Oregon has given me an opportunity to become acquainted with the main physical features that must be considered in planning the irrigation of lands in that part of the State.

I desire, in the first place, to confirm the conclusions of other engineers of the Service who have made more or less thorough examinations throughout this region, that information relating to the amount of water that can be made available for irrigation is deficient and unreliable and that it is of great importance that a continuous study of the water resources in this part of Oregon shall be made. Reliable conclusions relating to the amount of water that can be made available for irrigation cannot be drawn from the records of stream flow until such records cover a series of years. There should therefore be no delay in extending the study of water resources to those streams.

The region under consideration is a succession of interior drainage basins in which the lowest areas are flat alkali beds or shallow lakes often surrounded by extensive swamp land areas. Such streams as there are have a brief early spring flood in which the rush of water inundates large bodies of land now mainly used for growing wild hay.

Notwithstanding the apparent abundance of water it is quite clear that a submergence of large areas after occasional winters of copious snow fall in the mountains together with some surplus water discharged into the lakes, is not conclusive as to the actual supply of water that can be made available year after year for beneficial use. Each source of supply must be studied to ascertain its yield before conclusions can be reached that will be a satisfactory basis for the planning of works.

It is to be stated in this connection that more information is also required relating to the amount of water that is needed to supplement rainfall. The residents at some points in this section of the State are just making the discovery that there are some seasons in which grain crop can be produced by dry farming. It is being discovered, too, that climatic conditions there

are not unfavorable for the production of harder fruits and vegetables. There is not, however, enough known of rainfall conditions and the behavior of soils under cultivation to determine how much water must be applied per acre of irrigated land.

Not even the rainfall conditions are known with any degree of accuracy. The desert conditions which prevail over a great portion of this part of the State indicate a deficient supply of moisture in the form of rain and snow. But there is some precipitation. At Silver Lake it amounts to about ten inches in a normal year. The normal rainfall at Burns in Marney Valley lies probably somewhere between ten and fourteen inches. At Paisley there is no record of rainfall but it is generally supposed that this point has so much or more rainfall than Silver Lake. Rainfall records should be kept at Rosland, Paisley, Christmas Lake, Alkali Lake, Summer Lake, Riley on Silver Lake and at the Narrows between Malheur and Harney Lakes. Observers should be selected and the necessary apparatus for rainfall observations should be installed at the earliest possible moment.

HE MAY BE RIGHT.

Judge Bowlby Has An Idea as to the
New Earth Fill.

Judge Bowlby in the following communication rather depreciates the sanguine views expressed in this paper yesterday morning as to the value of the proposed earth fill on Eleventh street; and he may be right. At any rate, it will all come out in the due course of time after the test block is laid. He says:

"To the Editor: In your article this morning on the improvement of Eleventh street between Duane and Exchange, the conclusion that concrete bulkheads will be cheaper in the long run than wood seems to me erroneous.

"The use of the bulkhead will be temporary, whether built of permanent material or not. Waving the question of ability to keep the concrete wall from spreading at the base—or breaking by bulging, the bulkhead will not be needed after the adjacent lots shall be improved. One quarter of the lots are now improved (that is, built upon) and the remainder will be in ten years, the life of the wooden bulkhead, cost of wood, \$400, interest for ten years at 7 per cent, makes the total cost \$680. When no longer needed, concrete, \$1,705, interest added will make cost at end of ten years \$2,898.50; or \$2,218.50 in favor of wood.

"Suppose bulkheads will be needed twenty years and wooden one shall be rebuilt, then the costs at end of twenty years will be: Wood, \$1,826; concrete \$4,926.65. The end bulkhead will be useless as soon as the fill shall be extended northwest.

"J. Q. A. BOWLBY."

How to Avoid Appendicitis.

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THE CORRECT CLOTHES SHOP



Even at a first glance this "House-Clearing Sale" of ours is a big opportunity, but there's more behind it than appears on the surface. In order to realize fully what a really great chance this is you must remember that at this big annual January sale—contract goods excepted.

EVERYTHING IN THE HOUSE DRASTICALLY REDUCED
**Overcoats at Big Reductions,
Suits for Less.
Furnishings Reduced,
Hats at Bargain Prices.**

And every garment in this sale is brand new—is a fine example of the most careful and skillful tailoring—is a model of good taste and good style, and can be depended on to give the most satisfactory service. This week promises to be one of the greatest in this wonderful inclusive sale—but we're all prepared for as many as come.

Substantial drops have been made from the consistently low all season prices—affording mighty fine opportunities for the judicious buyer.

House Cleaning Sales Extra Specials.

Boys' Jersey Storm Coats, ages 6 to 12 years, regular price \$5.00, Special at \$2.70	Mens Blue Jersey Overcoats in broken lines, \$8.50 and \$10.00 values, Special at \$7.20
Child's Covert Box Coats, 6 to 10, regular price \$5.50, Special at \$2.85	Mens 46 in Heavy Cheviot Overcoats, \$13.50 to \$16.50 values, Special at \$11.45
Child's Blue Reefers, regular price \$3.00, Special at \$1.90	Mens Rain Coats, Mackintoshes, Cravenettes, etc., odd lots, one and two of a size, \$10.00 to \$15.00 values, Special at \$8.35
Boys' Overcoats Broken Line, 4 to 8, regular price \$4.00 to \$7.50, Special at \$2.35	Golf Shirts, sizes 14 1-2, 16, 16 1-2 and 17, 75c and \$1.00 values for 60c
Child's Russian Blouse Suits, Knickerbocker Pants 3 to 8, worth \$4.00, Special at \$2.70	Underwear, Overshirts, Neckwear, Hats, Gloves, Sweaters, etc., all at reduced prices.
Boys Jacket and Pants Suits, odds and ends, 65 suits in this lot, ages 6 to 16, values \$4.00 to \$6.50, Special at \$2.85	Trunks, Suit Cases, Bags, etc., all reduced.
Boys Jacket and Pants Suits of Cheviot materials, 6 to 12 years, \$2.50 to \$4.00 values at \$1.45	
95 Mens Suits in broken lines, 1, 2, and 3 suits of a kind, Cheviots and Worsted, \$9.50 to \$11 values at \$6.45	
Mens Fancy Worsted Suits, good values, late models, \$15.00 to \$16.50 values, Special at \$10.85	

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